

## FERRIS-WHEEL QUEUE

### ABSTRACT OF THE DISCLOSURE

The present invention provides a method of transferring incoming multithreaded concurrent sets of data from a sending transport system to a requesting transport system which includes retrieving the sets of data from the sending transport system. A receiving queue is queried for a number of available data storage locations, and the sets of data being transferred to the receiving queue. The method further includes queuing the sets of data in the receiving queue, where each the set of data are divided into blocks of data. Then, determining a number of the data storage locations for storing the blocks of data. Next, the blocks of data are loaded into available data storage locations, and location indexes are provided for each of the blocks of data where the location indexes associate the block of data with a corresponding the storage location. The method then includes sending the sets of data to the requesting transport system by transmitting associated data in the storage locations, and indicating the storage location is available for storing other the blocks of data.